

Supplemental information for “Assessment of historical heavy precipitation in Poland based on documentary evidence”

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Table S1. Classification of precipitation events based on their reported duration and intensity.

Index	Impact category	Description
1	Long-lasting	Precipitation persists over two or more days, generally widespread.
2	Heavy	Abundant precipitation of moderate duration.
3	Violent	Short-term, but very intense precipitation (e.g. cloudburst), often associated with thunderstorms and sometimes hail.

Table S2. Classification of the reported impacts of heavy and extreme precipitation events.

Index	Impact category	Description
1	Flood (unspecified)	The source confirms that a flood occurred as a consequence of the precipitation event but provides no further information on its spatial extent, severity, or damage.
2	Small, regional flood	Localized flooding of limited extent and short duration, with describable but minor damage, such as inundation of riverside fields, gardens, or wood supplies.
3	Supra-regional or catastrophic flood	Extensive flooding affects a wider area, several settlements, or more than one river, with severe damage to buildings and water-related infrastructure, longer duration, and, in the most extreme cases, loss of human life and livestock.
4	Other impacts	Damage attributable to the precipitation event that is not described as a flood, including destroyed or damaged crops, meadows, orchards, and gardens, damaged roads, bridges, or mills, hail damage, or interruptions to agricultural work.

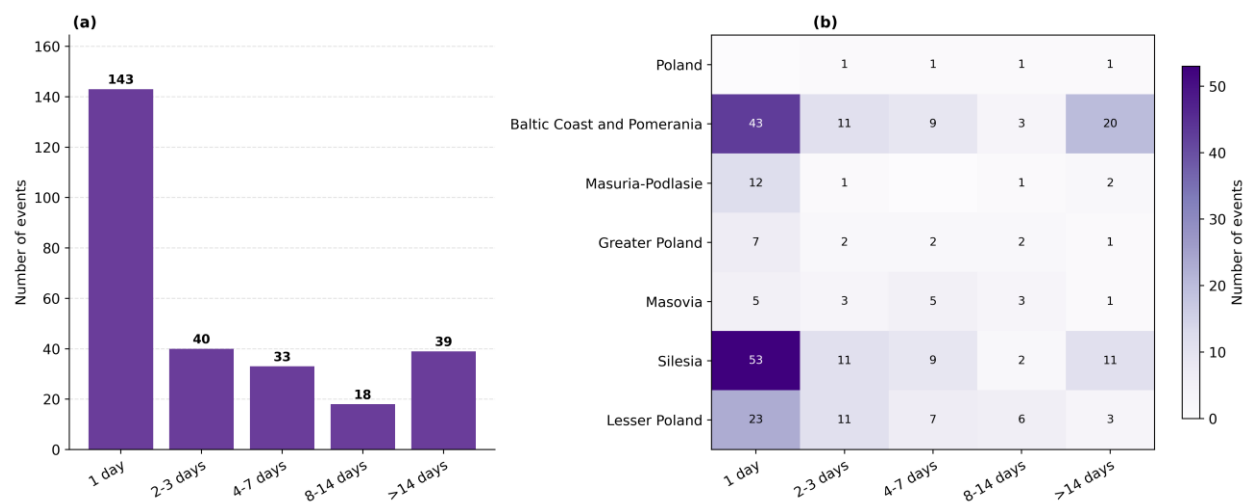


Fig. S1. Duration of extreme-precipitation events in Poland in the period 1101-1800, (a) number of events per duration class; (b) duration class by historical region

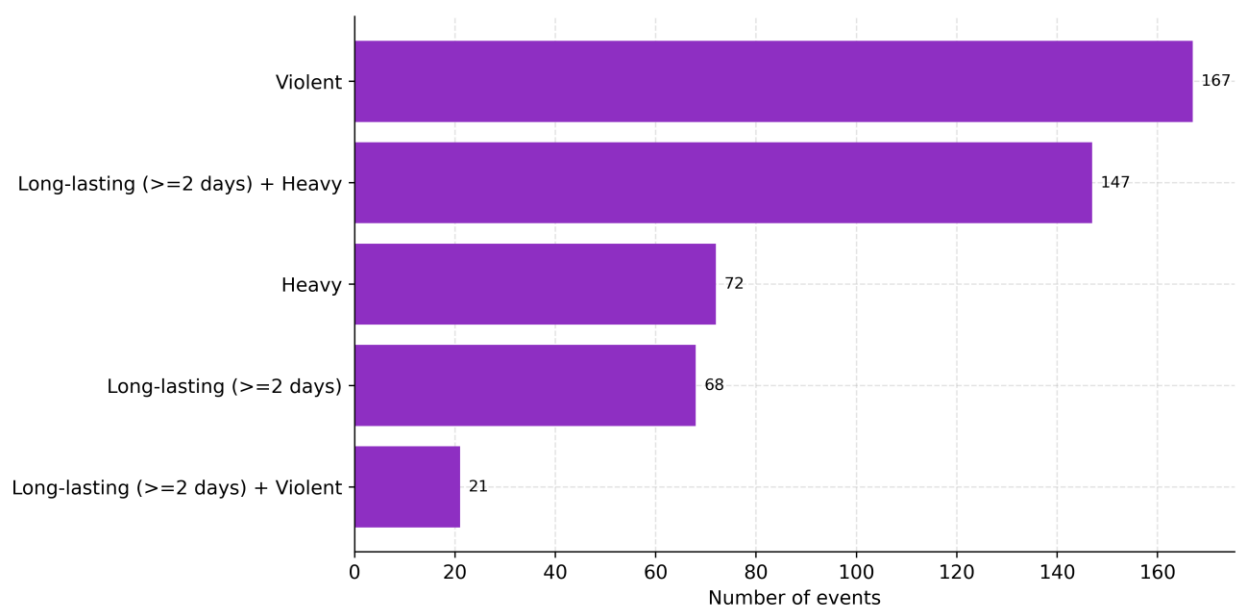


Fig. S2. Number of precipitation-type combinations recorded per event (long-lasting, heavy, violent, and their co-occurrences) in Poland in the period 1101-1800.

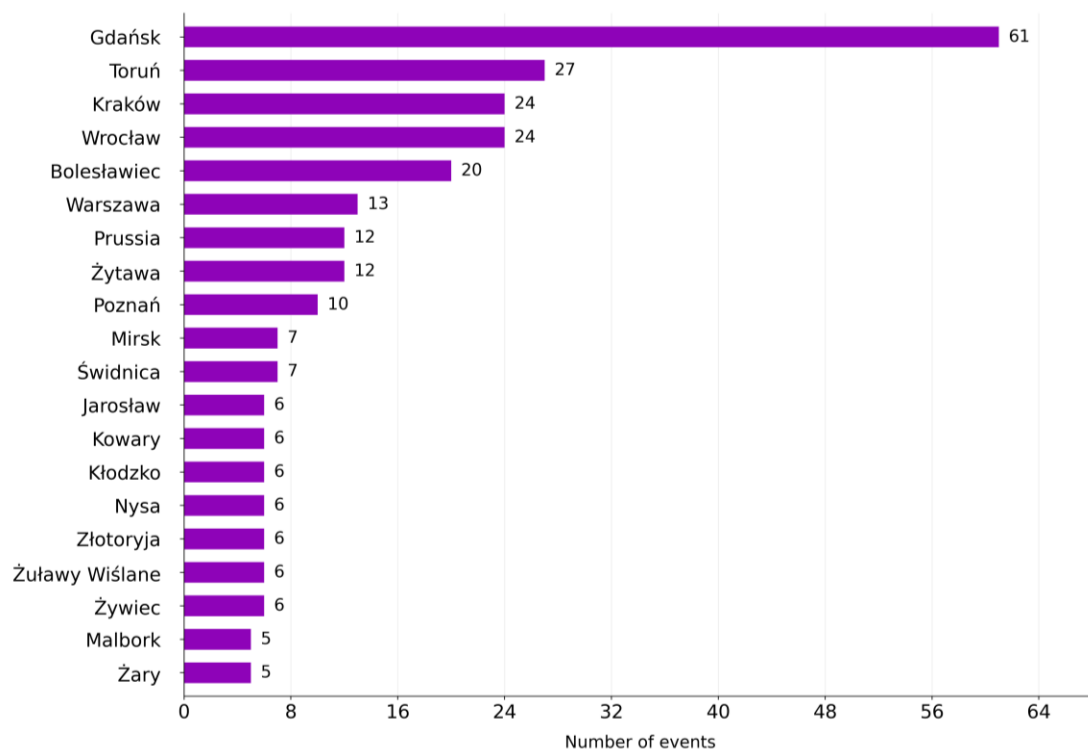


Fig. S3. Ranking of the top 20 places with the highest numbers of documented extreme precipitation events in Poland during 1101–1800 (Only locations with at least five recorded events are shown).

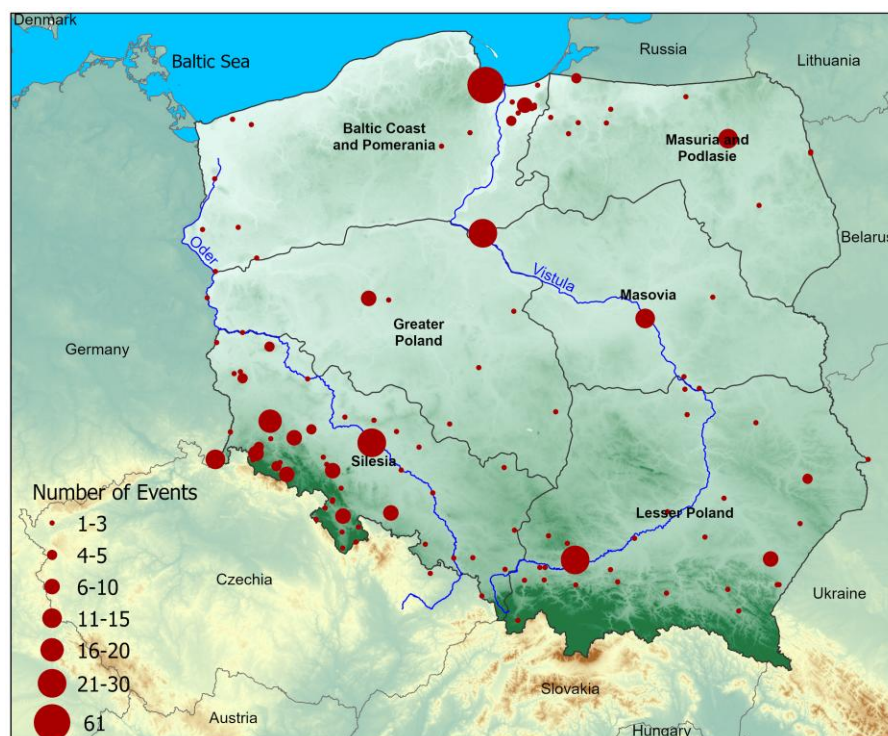


Fig. S4. Spatial distribution of documented extreme precipitation events in Poland in the period 1101–1800, classified by the number of recorded events at each location.